

Patent Abstracts of Japan

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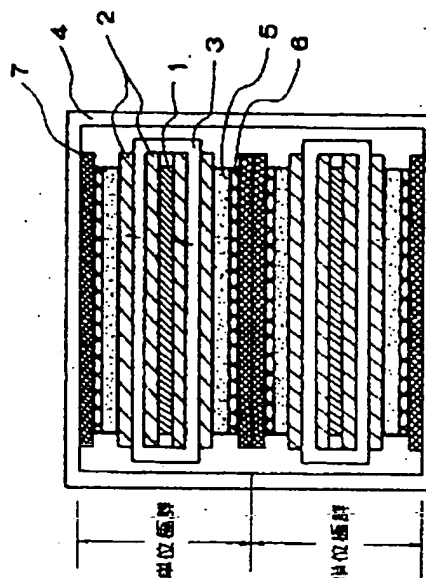
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TITLE : ENCLOSED TYPE NICKEL-ZINC
STORAGE BATTERY



ABSTRACT : PURPOSE: To improve the output characteristic and cycle life by providing a water repellent layer on the surface of a negative-electrode plate not facing a positive electrode and providing a water-repellent nonwoven fabric layer on this surface.

CONSTITUTION: A water-repellent layer 6 is provided by continuously and uniformly spraying a predetermined quantity of a solution dispersed with polyethylene tetrafluoride resin on one surface of a zinc electrode 5 and drying it, or pressing only one surface of a porous thin film made of polyethylene tetrafluoride resin to the current collector of a zinc electrode sheet. A nonwoven fabric made of polyethylene tetrafluoride or a polypropylene nonwoven fabric, etc. having gas permeability particularly in the face direction and being water-repellent, porous, alkali-resistant, and acid-resistant, for example, is used for a water-repellent nonwoven fabric layer 7. Accordingly, the oxygen gas absorption efficiency at the negative-electrode plate is improved, and an enclosed type storage battery having the high performance and long life can be obtained.

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